IN THE CLAIMS

1-10. (Cancelled)

11. (Original) A method for measuring volatile organic compounds of a material produced in a fluid bed dryer, said method comprising:

(a) disposing an amount of said material in an enclosed bag having a sealable opening such that there is headspace above said material in said enclosed bag;

(b) storing said enclosed bag containing said solid material at the mean exit temperature of said emissions of said system such that equilibrium between said material and said headspace is reached; and

(c) introducing samples from said headspace into a flame ionization detector which thereby measures said volatile organic compounds of said material.

12. (Original) A method for measuring volatile organic compounds of a material produced in a spray bed dryer, said method comprising:

(a) disposing an amount of said material in an enclosed bag having a sealable opening such that there is headspace above said material in said enclosed bag;

(b) storing said enclosed bag containing said solid material at the mean exit temperature of said emissions of said system such that equilibrium between said material and said headspace is reached; and

(c) introducing samples from said headspace into a flame ionization detector which thereby measures said volatile organic compounds of said material.

13. (Original) A method for measuring volatile organic compounds of a material produced in a storage tank, said method comprising:

(a) disposing an amount of said material in an enclosed bag having a sealable opening such that there is headspace above said material in said enclosed bag;

(b) storing said enclosed bag containing said solid material at the mean exit temperature of said emissions of said system such that equilibrium between said material and said headspace is reached; and

(c) introducing samples from said headspace into a flame ionization detector which thereby measures said volatile organic compounds of said material.

14. (Original) The method of claim 11 wherein said storing step is for from about 5 hours to about 24 hours.

15. (Original) The method of claim 12 wherein said storing step is for from about 5 hours to about 24 hours.

16. (Original) The method of claim 13 wherein said storing step is for from about 5 hours to about 24 hours.

17. (Original) The method of claim 11 wherein said amount of said material is from about 1 gram to about 100 grams.

18. (Original) The method of claim 12 wherein said amount of said material is from about 1 gram to about 100 grams.

19. (Original) The method of claim 13 wherein said amount of said material is from about 1 gram to about 100 grams.

20. (Original) The method of claim 11 wherein said mean exit temperature is from about 5 °C to about 100 °C.

21. (Original) The method of claim 12 wherein said mean exit temperature is from about 5 °C to about 100 °C.

22. (Original) The method of claim 13 wherein said mean exit temperature is from about 5 °C to about 100 °C.

23. (Original) A kit for measuring the volatile organic compounds of a material produced in fluid bed dryer having emissions, said kit comprising:

(a) an enclosed bag having a sealable opening to allow an amount of said material to be placed in said enclosed bag such that there is headspace above said material; and

(b) instructions for analyzing samples from said headspace in said enclosed bag, thereby providing said volatile organic compounds of said material.

24. (Previously Presented) A kit for measuring the volatile organic compounds of a material produced in a spray bed dryer having emissions, said kit comprising:

(a) an enclosed bag having a sealable opening to allow an amount of said material to be placed in said enclosed bag such that there is headspace above said material; and

(b) instructions for analyzing samples from said headspace in said enclosed bag, thereby providing said volatile organic compounds of said material.

25. (Previously Presented) A kit for measuring the volatile organic compounds of a material produced in a storage tank having emissions, said kit comprising:

(a) an enclosed bag having a sealable opening to allow an amount of said material to be placed in said enclosed bag such that there is headspace above said material; and

(b) instructions for analyzing samples from said headspace in said enclosed bag, thereby providing said volatile organic compounds of said material.

26. (Original) The kit of claim 23 wherein said instructions for analyzing said samples include withdrawing said samples from said headspace using a flame ionization detector.

27. (Original) The kit of claim 24 wherein said instructions for analyzing said samples include withdrawing said samples from said headspace using a flame ionization detector.

28. (Original) The kit of claim 25 wherein said instructions for analyzing said samples include withdrawing said samples from said headspace using a flame ionization detector.

29. (Original) The kit of claim 23 wherein said instructions for analyzing samples include storing said enclosed bag in a temperature adjustable apparatus.

30. (Original) The kit of claim 24 wherein said instructions for analyzing samples include storing said enclosed bag in a temperature adjustable apparatus.

31. (Original) The kit of claim 25 wherein said instructions for analyzing samples include storing said enclosed bag in a temperature adjustable apparatus.

32. (New) A kit for measuring the volatile organic compounds of a material in a process system having emissions, said kit comprising:

(a) an enclosed bag having an inner liner, an outer liner, and a sealable opening to allow an amount of said material to be placed in said enclosed bag within said inner liner such that there is headspace above said material; and

(b) instructions for analyzing samples from said headspace in said enclosed bag, thereby providing said volatile organic compounds of said material.

33. (New) The kit of claim 32 wherein said inner liner comprises aluminum foil.

34. (New) The kit of claim 32 wherein said outer liner comprises a polymeric material.

35. (New) A method for measuring volatile organic compounds of a material in a process system having emissions, said method comprising:

(a) disposing an amount of said material in an enclosed bag having an inner liner, an outer liner, and a sealable opening such that said material resides within said inner liner and there is headspace above said material in said enclosed bag;

(b) storing said enclosed bag containing said material at the mean exit temperature of said emissions of said system such that equilibrium between said material and said headspace is reached; and

(c) introducing samples from said headspace into a flame ionization detector which thereby measures said volatile organic compounds of said material.

36. (New) A method for measuring volatile organic compounds of a material in a process system having emissions, said method comprising:

(a) disposing an amount of said material in an enclosed bag having a sealable opening such that there is headspace above said material in said enclosed bag, and said enclosed bag does not contribute to the volatile organic compound concentration in said headspace;

(b) storing said enclosed bag containing said material at the mean exit temperature of said emissions of said system such that equilibrium between said material and said headspace is reached; and

(c) introducing samples from said headspace into a flame ionization detector which thereby measures said volatile organic compounds of said material.